

In re Patent Application of:

FLICK

Serial No. 09/650,425

Confirmation No. 8740

Filed: AUGUST 29, 2000

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In the Claims:

1. (Currently amended) A vehicle security system comprising:

at least one security sensor and a security controller connected thereto;

a siren comprising

a common housing to be positioned within an engine compartment of a vehicle,

a siren electrical signal generator circuit carried by said common housing for generating an electrical siren security alarm signal responsive to said security controller,

a shock detector circuit carried by said common housing for processing an electrical shock sense signal for said security controller, and

~~an~~ a common electrical/mechanical (E/M) transducer carried by said common housing for both sounding a siren security alarm responsive to the electrical siren security alarm signal, and for generating the electrical shock sense signal responsive to mechanical shock.

2. (Original) A vehicle security system according to Claim 1 wherein the vehicle includes an ignition switchable between ON and OFF positions; and wherein said siren is operable responsive to the ignition being in the OFF position

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and is not operable responsive to the ignition being in the ON position.

3. (Original) A vehicle security system according to Claim 1 wherein said security controller is switchable between an armed mode for causing said siren to generate the siren security alarm responsive to said at least one security sensor, and a disarmed mode.

4. (Original) A vehicle security system according to Claim 3 wherein said at least one vehicle security sensor comprises a hood switch; and wherein said shock detector is operatively coupled to said security controller through said hood switch.

5. (Original) A vehicle security device according to Claim 1 wherein said shock detecting circuit generates a first output based upon detecting a shock within a first intensity range, and generates a second output based upon detecting a shock within a second intensity range.

6. (Original) A vehicle security device according to Claim 5 wherein the first intensity range is less than the second intensity range; and wherein the first output causes a reduced siren security alarm and the second output causes a full siren security alarm.

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7. (Currently amended) A vehicle security device according to Claim 1 wherein said common E/M transducer comprises a loudspeaker.

8. (Canceled)

9. (Original) A vehicle security system according to Claim 1 further comprising a receiver connected to said security controller, and at least one remote transmitter communicating with said receiver.

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cont.
10. (Original) A vehicle security system according to Claim 9 wherein said receiver and said at least one remote transmitter operate with changing codes.

11. (Currently amended) A siren for operation with a vehicle security system comprising at least one security sensor and a security controller connected thereto, the siren comprising:

a common housing to be positioned within an engine compartment of a vehicle;

a siren electrical signal generator circuit carried by said common housing for generating an electrical siren security alarm signal responsive to the security controller;

a shock detector circuit carried by said common housing for processing an electrical shock sense signal for the security controller; and

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an a common electrical/mechanical (E/M) transducer carried by said common housing for both sounding a siren security alarm responsive to the electrical siren security alarm signal, and for generating the electrical shock sense signal responsive to mechanical shock.

12. (Original) A siren according to Claim 11 wherein the vehicle includes an ignition switchable between ON and OFF positions; and wherein said siren is operable responsive to the ignition being in the OFF position and is not operable responsive to the ignition being in the ON position.

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cont.
13. (Original) A siren according to Claim 11 wherein the security controller is switchable between an armed mode for causing said siren to generate the siren security alarm responsive to said at least one security sensor, and a disarmed mode.

14. (Original) A siren according to Claim 13 wherein the at least one vehicle security sensor comprises a hood switch; and wherein said shock detector is operatively coupled to the security controller through the hood switch.

15. (Original) A siren according to Claim 11 wherein said shock detecting circuit generates a first output based upon detecting a shock within a first intensity range,

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and generates a second output based upon detecting a shock within a second intensity range.

16. (Original) A siren according to Claim 15 wherein the first intensity range is less than the second intensity range; and wherein the first output causes a reduced siren security alarm and the second output causes a full siren security alarm.

17. (Currently amended) A siren according to Claim 11 wherein said common E/M transducer comprises a loudspeaker.

18. (Canceled)

19. (Currently amended) A siren comprising:

a common housing to be positioned within an engine compartment of a vehicle;

a siren electrical signal generator circuit carried by said common housing for generating an electrical siren security alarm signal;

a shock detector circuit carried by said common housing for processing an electrical shock sense signal; and

~~an~~ a common electrical/mechanical (E/M) transducer carried by said common housing for both sounding a siren security alarm responsive to the electrical siren security alarm signal, and for generating the electrical shock sense signal responsive to mechanical shock.

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20. (Previously ^{presented} ~~amended~~) A siren according to Claim 19 wherein a vehicle includes an ignition switchable between ON and OFF positions; and wherein said siren is operable responsive to the ignition being in the OFF position and is not operable responsive to the ignition being in the ON position.

21. (Original) A siren according to Claim 19 wherein said shock detecting circuit generates a first output based upon detecting a shock within a first intensity range, and generates a second output based upon detecting a shock within a second intensity range.

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cont.
22. (Original) A siren according to Claim 21 wherein the first intensity range is less than the second intensity range; and wherein the first output causes a reduced siren security alarm and the second output causes a full siren security alarm.

23. (Currently amended) A siren according to Claim 19 wherein said common E/M transducer comprises a loudspeaker.

24. (Canceled)

25. (Currently amended) A method for providing vehicle security comprising:

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connecting a siren ~~in~~ within an engine compartment
of the vehicle, the siren comprising a common housing within
the engine compartment of the vehicle, a siren electrical
signal generator circuit carried by the common housing, a
shock detector circuit carried by the common housing, and ~~an~~ a
common electrical/mechanical (E/M) transducer carried by the
common housing;

generating an electrical siren security alarm signal
using the siren electrical signal generator circuit and
sounding a siren security alarm responsive thereto using the
common E/M transducer; and

generating the electrical shock sense signal
responsive to mechanical shock using the common E/M transducer
and processing the electrical shock sense signal using the
shock detector circuit.

26. (Original) A method according to Claim 25
wherein the vehicle includes an ignition switchable between ON
and OFF positions; and further comprising operating the siren
responsive to the ignition being in the OFF position and not
operating the siren responsive to the ignition being in the ON
position.

27. (Original) A method according to Claim 25
further comprising using the shock detecting circuit to
generate a first output based detecting a shock within a first

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intensity range, and to generate a second output based upon detecting a shock within a second intensity range.

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28. (Original) A method according to Claim 27 wherein the first intensity range is less than the second intensity range; and further comprising generating a reduced siren security alarm responsive to the first output, and generating a full siren security alarm responsive to the second output.

29. (Currently amended) A method according to Claim 25 wherein the common E/M transducer comprises a loudspeaker.

30. (Canceled)
